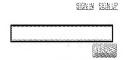


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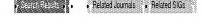


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J. Ashley, M.-P. Bernal, G. W. Burr, H. Coufal, H. Guenther, J. A. Hoffnagle, C. M. Jefferson, B. Marcus, R. M. Macfarlane, R. M. Shelby, G. T. Sincerbox

May IBM Journal of Research and Development , Volume 44 Issue 3 2000

Publisher: IBM Corp.

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

We present an overview of our research effort on volume holographic digital data storage. Innovations, developments, and new insights gained in the design and operation of working storage platforms, novel optical components and techniques, data coding ...

VIZARD II: a reconfigurable interactive volume rendering system

M. Meißner, U. Kanus, G. Wetekam, J. Hirche, A. Ehlert, W. Straßer, M. Doggett, P. Forthmann, R. Proksa

September 2002 HWWS '02: Proceedings of the ACM SIGGRAPH/EUROGRAPHICS conference on Graphics hardware

Publisher: Eurographics Association
Full text available: 1767.44

KB)

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This paper presents a reconfigurable, hardware accelerated, volume rendering system for high quality perspective ray casting. The volume rendering accelerator performs ray casting by calculating the path of the ray through the volume using a programmable ...

image Space Based Visualization of Unsteady Flow on Surfaces Robert S. Lammec, Bruno Jobard, Helwig Hauser

October 2003 VIS '03: Proceedings of the 14th IEEE Visualization 2003 (VIS'03)

Publisher: IEEE Computer Society
Full text available: Pdf (684.91

KB)

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We present a novel technique for direct visualization of unsteady flow on surfaces from computational fluid dynamics. The method generates dense representations of time-dependent vector fields with high spatio-temporal correlation using both Lagrangian-Eulerian ...

Keywords: Unsteady flow visualization, computational fluid dynamics (CFD), surface representation, texture mapping

4 Data clustering: a review

A. K. Jain, M. N. Murty, P. J. Flyon

September 1999 Computing Surveys (CSUR), Volume 31 Issue 3

Publisher: ACM Request Permissions
Full text available: Pot (636.24 KB)

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Clustering is the unsupervised classification of patterns (observations, data items, or feature vectors) into groups (clusters). The clustering problem has been addressed in many contexts and by researchers in many disciplines; this reflects its broad ...

Keywords: cluster analysis, clustering applications, exploratory data analysis, incremental clustering, similarity indices, unsupervised learning

High-Performance Wide-Area Optical Tracking: The HiBall Tracking System Gree Welch, Garv Bishop, Leandra Vicci, Stephen Brumback, Kurtis Keller, D'nardo Colucci

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Publisher: MIT Press

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Publisher: Springer-Verlag

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